TETRA TECH EM INC.

August 5, 2005

Mr. Michael Harris
On-Scene Coordinator
Emergency Response Branch SE-5J
U.S. Environmental Protection Agency Region 5
77 West Jackson Boulevard
Chicago, IL 60604

Subject: **Addendum to Letter Report**
Former Harvester Square Site Assessment
Sycamore, DeKalb County, Illinois
Technical Direction Document No. S05-0502-012
Tetra Tech Contract No. 68-W-00-129

Dear Mr. Harris:

The Tetra Tech EM Inc. Superfund Technical Assessment and Response Team (START) is submitting this addendum to the letter report for the Former Harvester Square site visit conducted on February 24, 2005. in Sycamore, DeKalb County, Illinois. Site background, previous site assessments and activities, site related threats, site layout, and photographic documentation of site conditions can be found in the initial letter report submitted to the U. S. Environmental Protection Agency (EPA) on April 14, 2005. The purpose of this addendum is to describe sampling activities at the Harvester Square facility that occurred on July 28, 2005.

During the initial site visit conducted on February 24, 2005, EPA and START met with the City of Sycamore and their consultant, Marlin Environmental (Marlin), regarding drums of hazardous waste left at the site by the previous site owner. During the meeting, Marlin stated that they had previously inventoried and collected samples from the drums and containers present at the site. EPA decided that because the containers had already been sampled, the existing data would be used for the site removal assessment and no further sampling activities were warranted. However, Marlin's site assessment reports contained only data for soil samples on the exterior of the facility and hazard characterization results for samples from some of the drums. Marlin then informed START that samples they had collected from the drums for laboratory analysis were not analyzed due to funding problems. Based on this new information EPA determined that further sampling activities were needed.

On July 28, 2005, On-Scene Coordinator (OSC) Steve Faryan and START member Lee Christenson returned to the site to conduct sampling activities. While on-site, a total of 31 samples were collected from drums and containers for field hazard characterization. Samples were screened with a photoionization detector and tested for pH and flammability. After conducting hazard characterization

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activities, START collected a total of 19 investigative samples to be analyzed by the laboratory. After sampling activities were completed, START hand delivered the samples to Suburban Laboratories in Hillside, Illinois. Samples were analyzed for volatile organic compounds (VOC), semivolatile organic compounds (SVOC), pH, and flash point.

Of the 19 samples sent to the laboratory, 11 were analyzed for VOCs, and 8 of these samples contained measurable concentrations of VOCs. Benzene, ethylbenzene, tetrachloroethene, toluene, trichloroethene, and xylenes were detected at high concentrations in one or more samples and are listed in Title 40 Part 261 of the Code of Federal Regulations (CFR) for their toxicity (40 CFR 261.24) or as components of listed hazardous wastes (40 CFR 261.31). Three samples had a pH that was either below 2 or greater than 12.5 and are considered hazardous due to corrosivity under 40 CFR 261.22. Two samples had flashpoints well below 140° F and are considered hazardous due to ignitability under 40 CFR 261.21. Summary tables of the analytical results are presented in the enclosure to this report. START will complete data validation for the analytical results upon receipt of the complete laboratory data package.

During the July 28 sampling visit, START noted that site conditions contributing to potential site related threats listed in the initial letter report had deteriorated further. Due to continued deterioration of the building, site accessability and exposure of hazardous materials to weather conditions that could cause a potential release have increased.

If you have any questions or comments about this report or need additional copies, please contact me at (312) 201-7457 or Therese Gioia at (312) 201-7431.

Sincerely,

Lee Christenson
Tetra Tech START Project Manager

Enclosure

cc: Lorraine Kosik, U.S. EPA START Program Officer
Therese Gioia, Tetra Tech START Program Manager
Steven Faryan, U.S. EPA OSC

ENCLOSURE
SUMMARY OF ANALYTICAL RESULTS
HARVESTER SQUARE LETTER REPORT ADDENDUM

	DRUM SAMPLE ID							
	D-1	D-2	D-13	D-29	D-52	D-67	D-70	D-89
VOC								
Benzene	ND	ND	673,000 µg/kg	ND	ND	ND	ND	ND
Ethylbenzene	ND	1,600 µg/kg J	283,000 µg/kg	ND	ND	ND	ND	ND
m,p xylene	ND	7,020 µg/kg	968,000 µg/kg	ND	ND	ND	ND	ND
MTBE	29,400 µg/kg	19,800 µg/kg	ND	48,400 µg/kg	102,000 µg/kg	65,600 µg/kg	ND	ND
Methylene Chloride	17,000 µg/kg	6,040 µg/kg	ND	ND	ND	ND	68,500 µg/kg	59,500 µg/kg
o-xylene	ND	2,500 µg/kg J	472,000 µg/kg	ND	ND	ND	ND	ND
Tetrachloroethene	ND	2,600 µg/kg J	ND	ND	ND	ND	ND	ND
Toluene	ND	63,600 µg/kg	3,350,000 µg/kg	ND	ND	ND	ND	ND
Trichloroethene	ND	313,000 µg/kg	ND	ND	ND	ND	ND	ND

pH RESULTS	
SAT-01	1
AT-62	0
D-112	13

FLASHPOINT	
D-2	55° F
D-13	38° F

Notes:

J = Value estimated
µg/kg = Micrograms per kilogram
MTBE = Methyl tert-butyl ether
ND = Not detected